

Work Order ID 54295-3

December 7, 2009 2:31:36 PM

Split



Accept



Setup Start



Stop



Item ID: D412-769-044

Revision ID:

Item Name: Aft Facing Seat Assembly, RH 3

Start Date: 07/12/2009 Start Qty: 5.00



Required Date: 21/12/2009 Req'd Qty: 5.00



Reference:

Approvals: Process Plan:



QC:

Date: 11/12/13

Tooling:

Date:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center IDOperation
Description

Draw Nbr

Revision Nbr

IIN D412-769

Rev B

100

Pick Kit



Packaging

Memo

Set Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

0.00

0.00

0.00

0.00

0.00

0.00

→ 11/12/13

110



Small Fab

SB

b/04/13

3

Small Fab

Small Fab

11/12/13

3

120



QC

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

SB

11/12/13

3
RH

→ 11/12/13

Work Order ID 54295

December 7, 2009 2:31:36 PM

Item ID: D412-769-044

Accept

Revision ID:

Item Name: Aft Facing Seat Assembly, RH

Start Date: 07/12/2009 Start Qty: 5.00

Required Date: 21/12/2009 Req'd Qty: 5.00

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Setup

Start



Stop



QC:

Date:

SPC (Y/N):

Date:

Run

Start



Stop

Sequence ID/
Work Center ID

130



Powdercoat

Powder Coating

Operation
Description

Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

M112588

Set Up/
Run HoursDraw
Number
Draw
Rev.
Plan
Code
Accept
Qty
Reject
Qty
Reject
Number
Insp.
Stamp

0.00

START: 11:45pm

10-01-13

X3

0.00

TEMP: 320°F

Fin: 12:15pm

140



QC

Quality Control

QC3- Inspect Part Finish

0.00

BL 10-01-13

(3)

Memo

0.00

150



Packaging

Packaging

Pick Kit

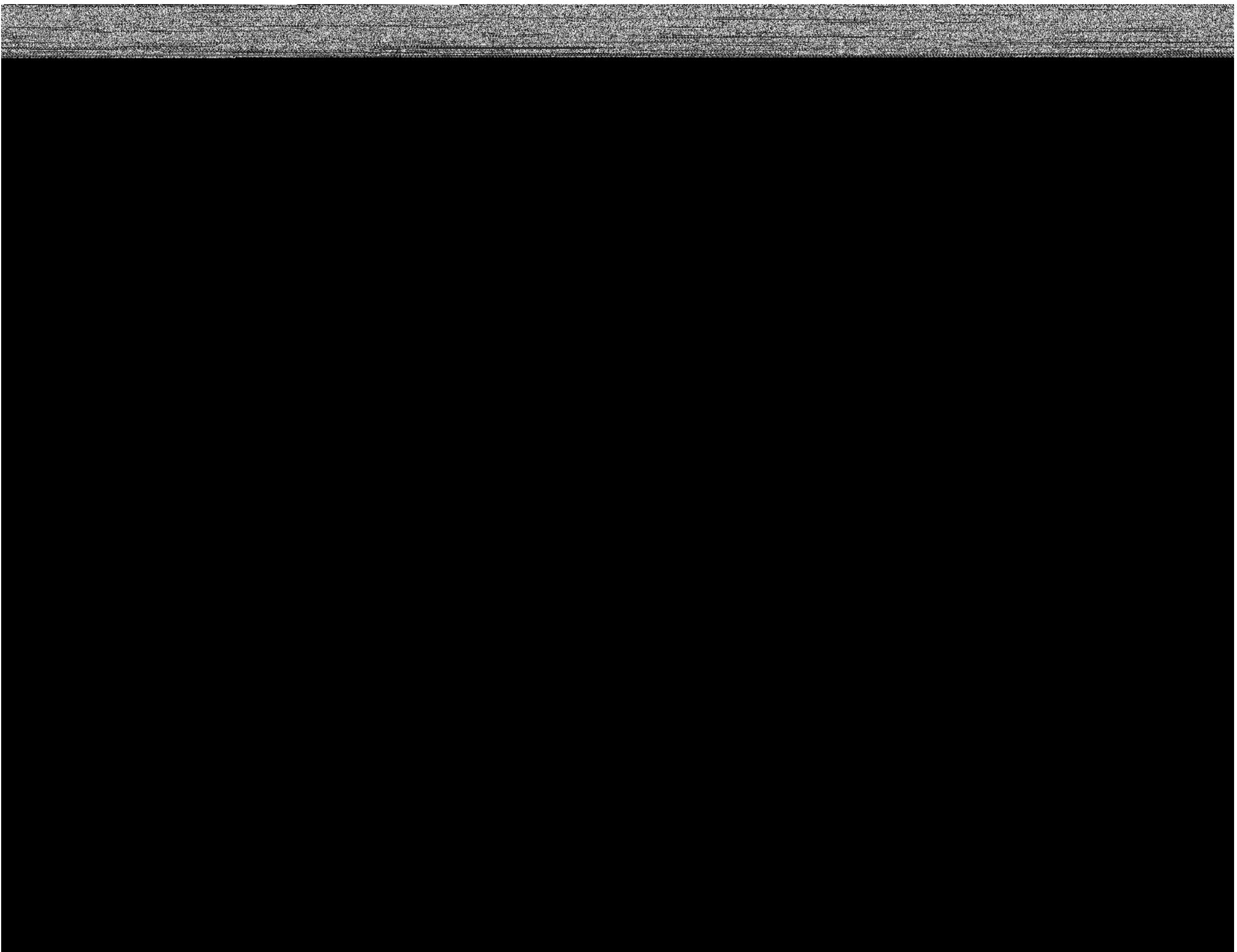
0.00

SD 10/01/18

(3)

Memo

0.00



Work Order ID 54295

December 7, 2009 2:31:37 PM



Item ID: D412-769-044

Accept



Setup Start



Stop



Revision ID:

Item Name: Aft Facing Seat Assembly, RH



Cust Item ID:

Start Date: 07/12/2009 Start Qty: 5.00



Customer:

Required Date: 21/7/2009 Req'd Qty: 5.00



Reference:

Run Start



Approvals: Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center IDOperation
Description

190

QC21- Final Inspection - Work Order Release

Set Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

0.00

0.00



QC

Memo

Quality Control

10/01/25

MF
10-1-25

Picklist Print

December 7, 2009 2:31:40 PM

Work Order ID: 54295



Parent Item: D412-769-044



Parent Item Name: Aft Facing Seat Assembly, RH

Start Date: 07/12/2009

Required Date: 21/12/2009

Comments:

Component Item ID/
Item NameReplacement
Item IDMfg/
PurchBin
ItemPrimary
LocationLast
LocationRoute
Seq IDUnit of
MeasureQty on
HandRemaining
Qty To PickQty
IssuedDate
Issued

Status

AN3-5A



Bolt

Purchased

No

110

Each

2,043.000

30.0000

7/12/30

AN4-15A



Bolt

Purchased

No

110

Each

182.0000

10.0000

6+18 8810/01/07

a/12/30 sf

AN45-13A



EYE BOLT

Purchased

No

110

Each

31.0000

5.0000

2+4 8810/01/07

9/12/30 sf

Warehouse

Location

Warehouse

Picklist Print

December 7, 2009 2:31:40 PM

Work Order ID: 54295



Parent Item: D412-769-044



Parent Item Name: Aft Facing Seat Assembly, RH

Start Date: 07/12/2009

Required Date: 21/12/2009

Comments:

Start Qty: 5.00

Required Qty: 5.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

ANS-10A



Purchased

No

110 Each 132.0000 30.0000



Bolt

WarehouseLoc QtyLoc CodeLocation

Main Warehouse

ST

132

107013

8

110363

2

112314

1

112933

38

113149

50

113255

33

ANS-13A



Purchased

No

110 Each 252.0000 10.0000



Bolt

WarehouseLoc QtyLoc CodeLocation

Main Warehouse

ST

252

104936

3

108167

8

110363

14

112492

10

112641

17

113237

200

Picklist Print

December 7, 2009 2:31:40 PM

Work Order ID: 54295

Parent Item: D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH



Start Date: 07/12/2009

Required Date: 21/12/2009

Start Qty: 5.00

Required Qty: 5.00

Comments:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN525-10R24		Purchased	No			110	Each	146.0000	45.0000		113538	07/12/2009

Screw



Warehouse	Loc Qty	Loc Code
-----------	---------	----------

Location

Main Warehouse

ST	146	
----	-----	--

109238	146	
--------	-----	--

110	Each	
-----	------	--

1,965.000	105.0000	
-----------	----------	--



113538
81 10/01/07

AN960JD10



Purchased

No

Warehouse	Loc Qty	Loc Code
-----------	---------	----------

Location

Main Warehouse

ST	1965	
----	------	--

105442	8	
--------	---	--

109059	2	
--------	---	--

109840	23	
--------	----	--

110139	2	
--------	---	--

110985	202	
--------	-----	--

111279	5	
--------	---	--

111668	64	
--------	----	--

112314	645	
--------	-----	--

112369	14	
--------	----	--

113149	1000	
--------	------	--

113538
81 10/01/07

sf

Washer



112314

112369

113149

21
63 88 10/01/07

Picklist Print

December 7, 2009 2:31:41 PM

Work Order ID: 54295

Parent Item: D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Comments:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch
AN960JD416		Purchased



Start Date: 07/12/2009

Required Date: 21/12/2009

Start Qty: 5.00

Required Qty: 5.00

WAS 1149 DO 4635

X

AN960JD516



Washer

Purchased

No

WarehouseLocation

Main Warehouse

ST	2311
108161	329
110523	340
111279	101
111916	482
112314	1059
16941	0

Loc Qty

Loc Code

15

110

Each

1,016.000 20

100.0000

M 113288 83101/01/07

X

a1230 sp

X

WarehouseLocation

Main Warehouse

ST	1016
110363	46
110523	57
111279	39
112082	64
112314	14
112828	296
113149	500

Loc Qty

Loc Code

45 218 83101/01/07

Picklist Print

December 7, 2009 2:31:41 PM

Work Order ID: 54295

Parent Item: D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Comments:

Component Item ID/
Item NameReplacement
Item IDMfg/
PurchBin
ItemPrimary
LocationLast
LocationRoute
Seq IDUnit of
MeasureQty on
HandRemaining
Qty To PickQty
Issued

Start Date: 07/12/2009

Required Date: 21/12/2009

Start Qty: 5.00

Required Qty: 5.00

D3766-2



Front Rail, RH



Start Date: 07/12/2009

Start Qty: 5.00

Required Date: 21/12/2009

Required Qty: 5.00

Date
Issued

Status

9/10/30 SP

③ SB, 10/01/07

D3766-3



Rear Rail

WarehouseLocation

Main Warehouse

ST

42876

Loc Qty

B54 382

Loc Code

3

3

Each

110

2

2

Each

2.0000

5.0000



1/

1/

D3767-1



Upper Rail

WarehouseLocation

Main Warehouse

ST

42873

Loc Qty

2 B54 303

Loc Code

2

2

Each

110

13

13.0000

5.0000



③ SB 10/01/13

9/12/30 SP

WarehouseLocation

Main Warehouse

ST

42874

48488

Loc Qty

13 3 10

Loc Code

13

3

10

1/

3 SB 10/01/02

December 7, 2009 2:31:41 PM

Shop Packet Print

Picklist Print

December 7, 2009 2:31:41 PM

Work Order ID: 54295

Parent Item: D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Comments:

Component Item ID/
Item NameReplacement
Item IDMfg/
PurchBin
ItemPrimary
LocationLast
LocationRoute
Seq IDUnit of
MeasureQty on
HandRemaining
Qty To PickQty
Issued

Start Date: 07/12/2009

Required Date: 21/12/2009

Start Qty: 5.00

Required Qty: 5.00

Date
Issued

Status

133782-044



Front Inboard Leg Assembly



Warehouse	Loc Qty	Loc Code
Main Warehouse	4	
ST	2	
42839	2	
42840	110	Each
	3.0000	5.0000

B 54324

③

133782-044



Front Outboard Leg Assembly, RH

133782-045



Back Leg Assembly

Manufactured

No

Warehouse	Loc Qty	Loc Code
Main Warehouse	3	
ST	3	
46205	110	Each
	4.0000	10.0000

B 54327

②

Warehouse	Loc Qty	Loc Code
Main Warehouse	4	
ST	2	
42832	2	
42833	2	

B 54328

December 7, 2009 2:31:41 PM

Shop Packet Print

Picklist Print

December 7, 2009 2:31:41 PM

Work Order ID: 54295

Parent Item: D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Comments:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3784-043		Manufactured	No		110		Each	2.0000	5.0000			3

Seat Support Assembly, LH

D3784-044

Seat Support Assembly, RH



Start Date: 07/12/2009

Required Date: 21/12/2009

Start Qty: 5.00

Required Qty: 5.00

B 54 333

	<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
	<u>Location</u>		
Main Warehouse			
	ST	2	
	42864	1	
	42865	1	
D3784-044	Manufactured	No	
	110	Each	2.0000 5.0000

S3 1010107

	<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
	<u>Location</u>		
Main Warehouse			
	ST	2	
	42867	1	
	42868	1	

S3 1010107

B 54 334

4

Picklist Print

December 7, 2009 2:31:41 PM

Work Order ID: 54295

Parent Item: D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Comments:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch
---------------------------------	------------------------	---------------

MS210421.3



Nut



Start Date: 07/12/2009

Required Date: 21/12/2009

Start Qty: 5.00

Required Qty: 5.00

Purchased

Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
	No		110	Each	2,759.000	45.0000			



MS210421.4



Nut

Purchased

No

Warehouse	Loc Qty	Loc Code
-----------	---------	----------

Location

Main Warehouse

ST	2759	
109798	14	
110844	32	
111274	27	
111668	194	
112314	1992	
112385	500	

2759



Warehouse	Loc Qty	Loc Code
-----------	---------	----------

Location

Main Warehouse

ST	4135	
110507	184	
111827	3951	
15924	0	

4135

Picklist Print

December 7, 2009 2:31:41 PM

Work Order ID: 54295

Parent Item: D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Comments:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch
---------------------------------	------------------------	---------------

AN525-10R22



Screw



Start Date: 07/12/2009

Required Date: 21/12/2009

Start Qty: 5.00

Required Qty: 5.00

Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
			160	Each	171.0000	65.0000		11/10/13	SP

AN960JD10L



Washer

Purchased

Warehouse	Loc Qty	Loc Code
Location		

Main Warehouse

ST
110139

M113524
12

171
171
5,439.000 65.0000
12

27

9/10/13030

D3774-1



Seat Bottom, LH/RH

Manufactured

Warehouse	Loc Qty	Loc Code
Location		

Main Warehouse

ST
101291
104885
105793
109632
110985

5439
16
153
236
276
4758
160
2.0000
5.0000
1

13

39

SP 10/01/13

December 7, 2009 2:31:41 PM

Shop Packet Print

Picklist Print

December 7, 2009 2:31:41 PM

Work Order ID: 54295

Parent Item: D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Comments:

Component Item ID/
Item NameReplacement
Item IDMfg/
PurchR#
Item
Primary
LocationLast
LocationRoute
Seq IDUnit of
MeasureQty on
HandRemaining
Qty To PickQty
Issued

Start Date: 07/12/2009

Required Qty: 5.00

Required Qty: 5.00

Status

D3774-3



Seat/Back, LH/RH

D3775-1



Guard

D3792-1



Seat Belt Eye Bolt



Start Date: 07/12/2009

Start Qty: 5.00

D3774-3

Replacement
Item IDMfg/
PurchR#
Item
Primary
LocationLast
LocationRoute
Seq IDUnit of
MeasureQty on
HandRemaining
Qty To PickQty
IssuedDate
Issued

Status

D3775-1

Replacement
Item IDMfg/
PurchR#
Item
Primary
LocationLast
LocationRoute
Seq IDUnit of
MeasureQty on
HandRemaining
Qty To PickQty
IssuedDate
Issued

Status

D3792-1

Replacement
Item IDMfg/
PurchR#
Item
Primary
LocationLast
LocationRoute
Seq IDUnit of
MeasureQty on
HandRemaining
Qty To PickQty
IssuedDate
Issued

Status

WarehouseLoc QtyLoc CodeLocation

Main Warehouse

ST

2

46066

2

160

Each

31.0000 10.0000

WarehouseLoc QtyLoc CodeLocation

Main Warehouse

ST

31

42875

1

44532

10

46048

20

160

Each

112.0000 15.0000

WarehouseLoc QtyLoc CodeLocation

Main Warehouse

ST

112

40880

17

41879

45

42020

50

Shop Packet Print

December 7, 2009 2:31:41 PM

Picklist Print

December 7, 2009 2:31:41 PM

Work Order ID: 54295



Parent Item: D412-769-044



Parent Item Name: Aft Facing Seat Assembly, RH

Start Date: 07/12/2009

Required Date: 21/12/2009

Comments:

Start Qty: 5.00

Required Qty: 5.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

MS210421.3



Purchased

No		160	Each	2,759.000	95.0000		7/12/2009
----	--	-----	------	-----------	---------	--	-----------

SF

Nut

Warehouse	Loc Qty	Loc Code
-----------	---------	----------

Location

Main Warehouse

ST

2759

109798

14

110844

32

111274

27

111668

194

112314

1992

112385

500

160

Each

750.0000

12

60.0000



SB 10/01/13

SF

MS210421.5



Purchased

No

Nut

Warehouse	Loc Qty	Loc Code
-----------	---------	----------

Location

Main Warehouse

ST

750

110382

10

111636

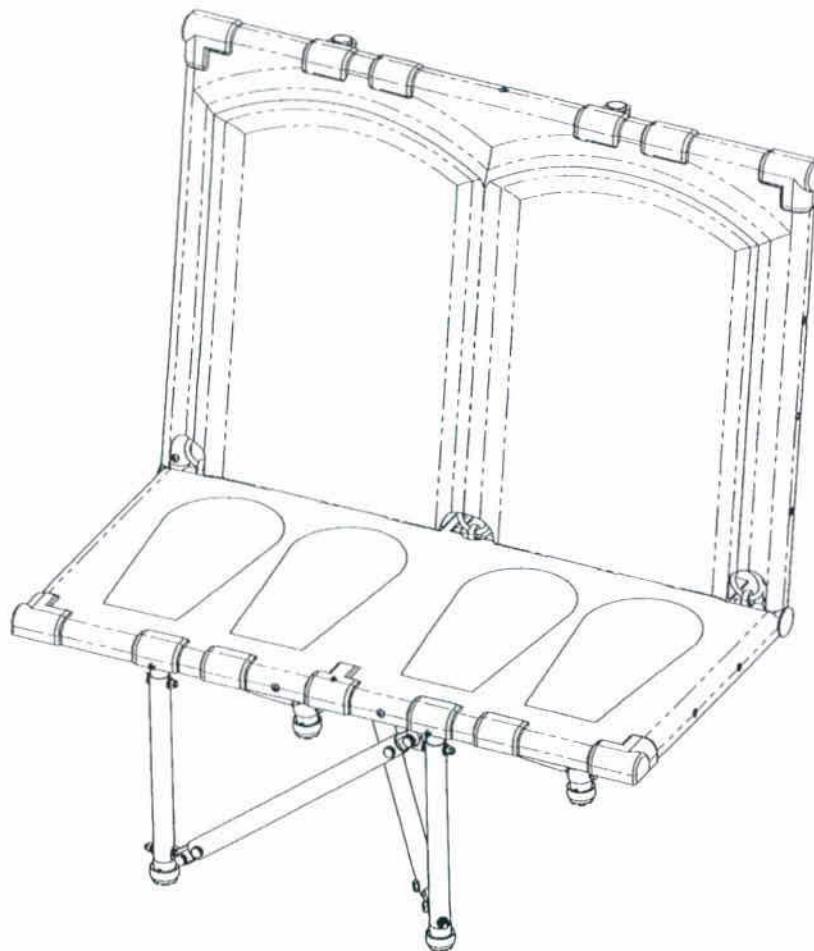
11

112314

729

SF

SB 10/01/13

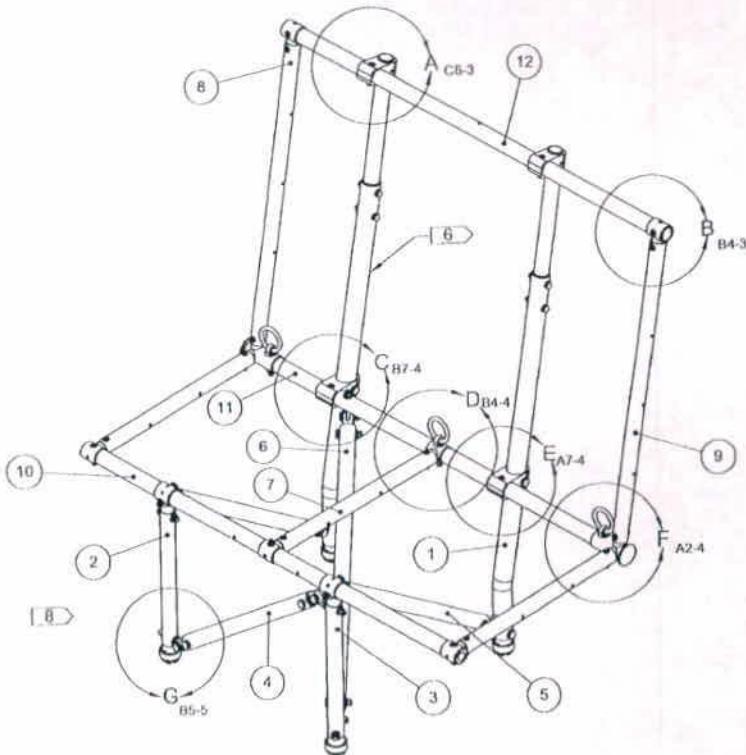


D412-769-044 AFT FACING SEAT, RH

RELEASED
08-01-2014 MFD

B	NEW HARDWARE			HS	08.06.25
A	NEW ISSUE			HS	08.06.04
REV	DESCRIPTION			BY	DATE
DESIGN	HS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWN	HS	DRAWING NO.	REV. B		
CHECKED		D412-769-2	SHEET 1 OF 7		
MFG. APPR.		TITLE	SCALE		
APPROVED		AFT FACING SEAT ASSY, RH	NTS		
DE APPR.		COPYRIGHT © 2008 BY DART AEROSPACE LTD. ALL DOCUMENTS & DRAWINGS ARE THE PROPERTY OF DART AEROSPACE LTD. IT IS NOT TO BE REPRODUCED, AMENDED, COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.			
DATE	08.06.25				

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-044)
1	D3782-045	BACK LEG ASSY	2
2	D3782-041	FRONT INBOARD LEG ASSY	1
3	D3782-044	FRONT OUTBOARD LEG ASSY, RH	1
4	D3783-041	LATERAL BRACE ASSY	1
5	D3783-043	LONGITUDINAL BRACE ASSY	2
6	D3783-045	ANGLE BRACE ASSY	1
7	D3784-041	SEAT SUPPORT ASSY	1
8	D3784-043	SEAT SUPPORT ASSY, LH	1
9	D3784-044	SEAT SUPPORT ASSY, RH	1
10	D3766-2	FRONT RAIL, RH	1
11	D3766-3	REAR RAIL	1
12	D3767-1	UPPER RAIL	1
13	D3792-1	SEAT BELT EYE BOLT	3
14	D3775-1	GUARD	2
15	D3774-1	SEAT BOTTOM	1
16	D3774-3	SEAT BACK	1
17	AN3-5A	BOLT	6
18	AN4-15A	BOLT	2
19	AN45-13A	EYE BOLT	1
20	AN5-10A	BOLT	6
21	AN5-13A	BOLT	2
22	AN525-10R22	SCREW	13
23	AN525-10R24	SCREW	9
24	MS21042L3	NUT	28
25	MS21042L4	NUT	2
26	MS21042L5	NUT	12
27	NAS1149D0332J	WASHER (AN960JD10L)	13
28	NAS1149D0363J	WASHER (AN960JD10)	21
29	NAS1149D0463J	WASHER (AN960JD416)	4
30	NAS1149D0568J	WASHER (AN960JD516)	20

B
B

D412-769-044 AFT FACING SEAT, RH

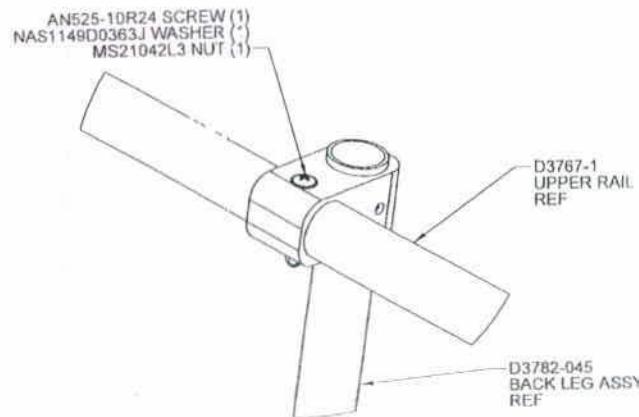
RELEASED
08-07-10 MP

NOTES:

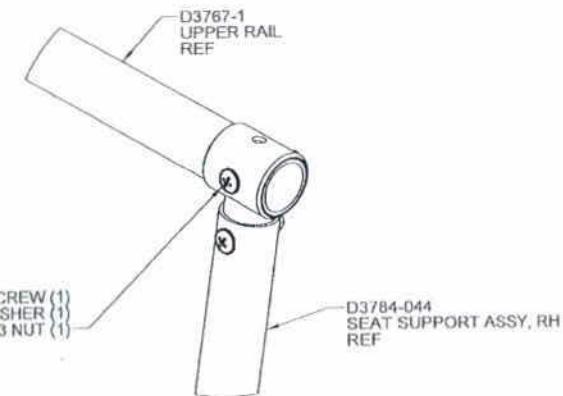
- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT "GREY SANTEX" (4,3,5,6) PER DART QSI 005 4.3 PRIOR TO INSTALLATION OF SEAT BOTTOM/BACK (D3774-1,-3). MASK FRONT LEGS PRIOR TO POWDER COAT
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH D2729-1 RED DECAL ATTACHED TO BACK LEG ASSEMBLY (D3782-045)
- 7) WEIGHT: 30.0 lbs
- 8) ITEM 15 (D3774-1 SEAT BOTTOM) AND ITEM 16 (D3774-3 SEAT BACK) REMOVED FOR CLARITY

DESIGN	HS	DART AEROSPACE LTD
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA
CHECKED	✓	DRAWING NO. REV. B
MFG. APPR.	✓	D412-769-2 SHEET 2 OF 7
APPROVED	✓	TITLE SCALE
DE APPR.	✓	AFT FACING SEAT ASSY, RH NTS
DATE	08.06.25	COPYRIGHT © 2008 BY DART AEROSPACE LTD. THIS DOCUMENT IS THE PROPERTY AND CONFIDENTIAL AND IS KEPT ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

8 7 6 5 4 3 2 1



DETAIL A_{D2-2}
UPPER RAIL TO BACK LEG ATTACHMENT
2 PL



DETAIL B_{C1-2}
SEAT SUPPORT END ATTACHMENT (TYP)
5 PL

RELEASED
(08-07-07)

1/10 8/07/05

DESIGN	HS	DART AEROSPACE LTD
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA
CHECKED	PH	REV. B
MFG. APPR.		DRAWING NO. D412-769-2
APPROVED	MF	SHEET 3 OF 7
DE APPR.		TITLE AFT FACING SEAT ASSY, RH
DATE	08.06.25	SCALE NTS

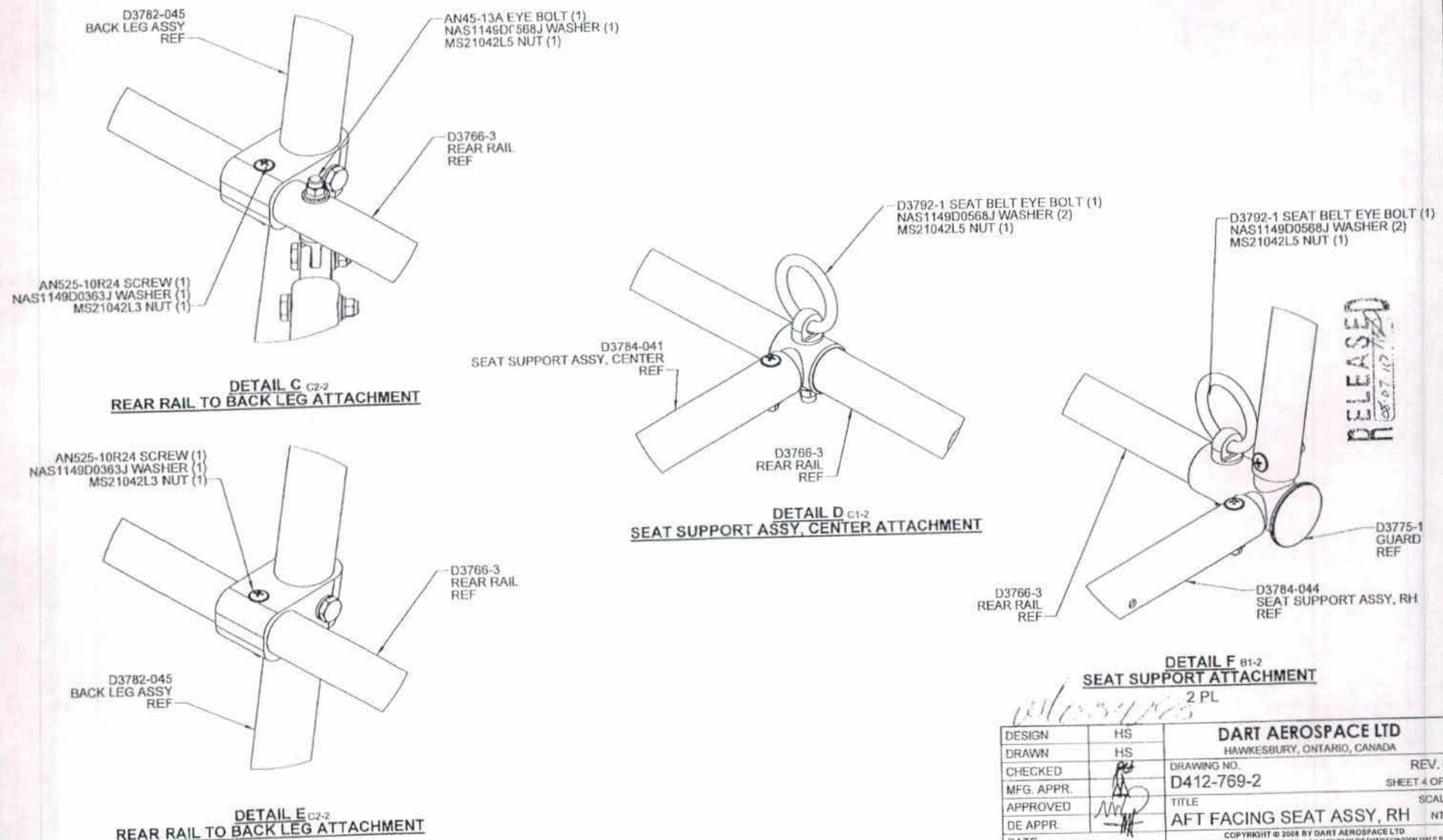
8 7 6 5 4 3 2 1

D

C

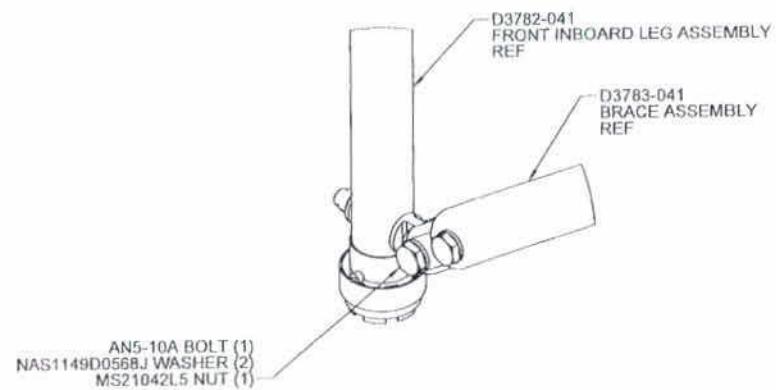
B

A



DESIGN	HS	DART AEROSPACE LTD
DRAWN	HS	HAWKSLEY, ONTARIO, CANADA
CHECKED		REV. B
MFG. APPR.		DRAWING NO.
APPROVED		D412-769-2
DE APPR.		SHEET 4 OF 7
DATE	08.06.25	TITLE
		AFT FACING SEAT ASSY, RH
		NTS

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DETAIL G₈₃₋₂
BRACE ATTACHMENT

6 PL

RELEASED
06-20-14
2013-09-25

DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	PH	DRAWING NO.	REV. B
MFG. APPR.	MM	D412-769-2	SHEET 5 OF 7
APPROVED	SM	TITLE	SCALE
DE APPR.	MM	AFT FACING SEAT ASSY, RH	NTS
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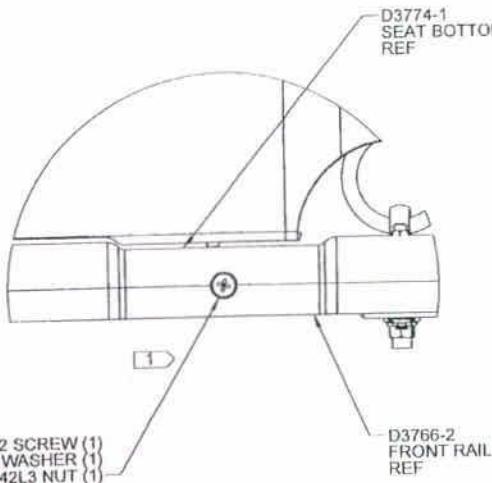
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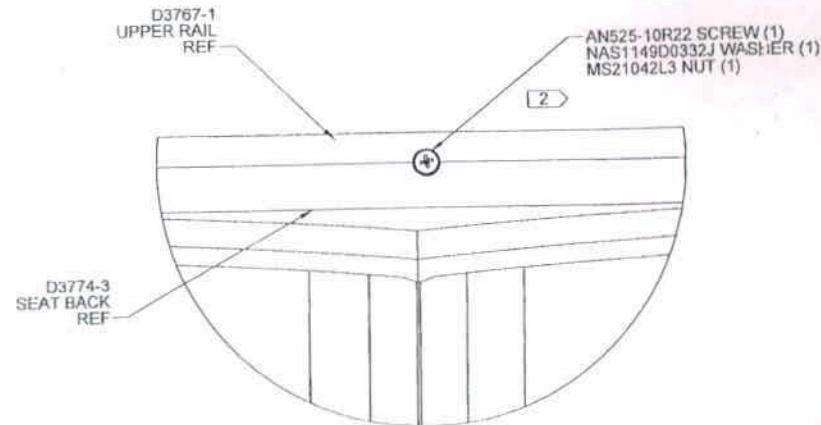
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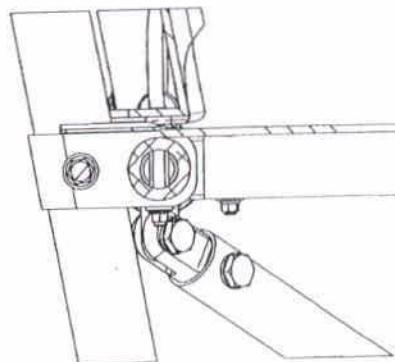
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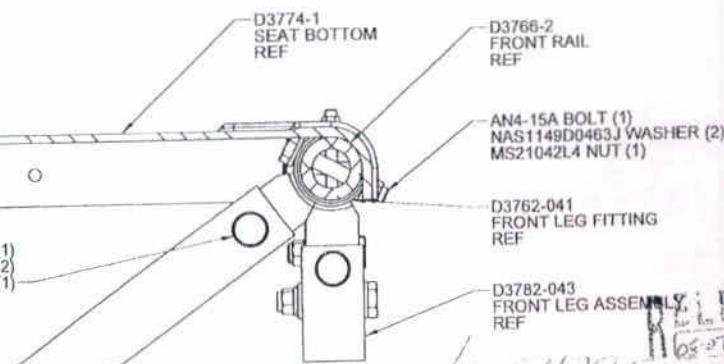
DETAIL L B7-6
SEAT BOTTOM ATTACH - FRONT DETAIL



DETAIL M D7-6
SEAT BACK ATTACH - TOP DETAIL



SECTION N-N B7-6
FRONT LEG AND LONGITUDINAL ANGLE ATTACHMENT



106-541095 *08-07-10* *RELEASED*

DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>✓</i>	DRAWING NO.	
MFG. APPR.	<i>✓</i>	D412-769-2	
APPROVED	<i>✓</i>	REV. B	
DE APPR.	<i>✓</i>	SHEET 7 OF 7	
DATE	08.06.25	TITLE	
		AFT FACING SEAT ASSY, RH	
		SCALE	
		NTS	

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USED FOR THE PURPOSES FOR WHICH IT WAS PROVIDED OR COMMUNICATED TO ANY OTHER PERSON OR PART

NOTES:
1) TRANSFER DRILL HOLES Ø0.201 FROM FRONT RAIL (D3766-2) TO SEAT BOTTOM (D3774-1) - 2 PL
2) TRANSFER DRILL HOLES Ø0.201 FROM UPPER RAIL (D3767-1) TO SEAT BACK (D3774-3) - 1 PL

8

7

1

6

5

4

3

2

1

A

B

D

C

Custom Work Orders Requisition

Page 1 of 1

Work order No.: 54299 | 54294

Pick list

Note: Material pick list must be pre-approved by

8

Purchasing: _____ Date: _____

Close work order By: _____ Date: _____

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. E AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 3

REF TCCA STC: SH04-7

REF FAA STC: SR01997NY

REF EASA STC: EASA.IM.R.S.00710

PURPOSE:

Update the D412-702-041A/045A/041B/-045B kits for compatibility with the Dart D412-769-011 Aft Facing Seat Kit.

CHANGE:

Quantity (1) each of D412-702-111A/-113A is replaced with D412-702-121A/-123A. Also Qty (4) x AN4-27A bolts are added to the kits for compatibility with the Dart seat. When installing the AN4 bolts in the Dart seat, open the Ø0.188" holes to Ø0.257" (see sheet 4 detail J of this service instruction for reference). Alternate nuts added (see flag note 2 & 3, sheet 4). The parts list in section 25.28 (pg. 87) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 38) of IIN-D412-702 Rev. E is amended as follows:

QTY	QTY	QTY	QTY	QTY	PART NUMBER	DESCRIPTION
-041A	-043A	-045A	-047A	-049A		
X					D412-702-041A	Dart 13-Man 3-Point Shoulder Harness Kit
	X				D412-702-045A	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit

IS:

1	1			D412-702-111A	HARNESS ASSEMBLY (EXISTING)
1	1			D412-702-121A	HARNESS ASSEMBLY (NEW)
1*	1*			D3570-3	BRACKET
1*	1*			D3579-043	SHOULDER HARNESS
4*	4*			MS24694S50	SCREW
4*	4*			AN960JD10L	WASHER
1*	1*			MS21042L3	NUT
1*	1*			D3569-1	DECAL
1	1			D412-702-113A	HARNESS ASSEMBLY (EXISTING)
1	1			D412-702-123A	HARNESS ASSEMBLY (NEW)
1*	1*			D3570-4	BRACKET
1*	1*			D3579-044	SHOULDER HARNESS
4*	4*			MS24694S50	SCREW
4*	4*			AN960JD10L	WASHER
1*	1*			MS21042L3	NUT
1*	1*			D3569-2	DECAL
4	4			AN4-27A	BOLT (NEW)

WAS:

2	2			D412-702-111A	HARNESS ASSEMBLY
2	2			D412-702-113A	HARNESS ASSEMBLY

* DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

Slocns

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	D. SHEPHERD (DE # 02)
DATE:	09.12.10
CERT. NO.:	SH04-7
ISSUE NO.:	3

ADD FLAG NOTES 2 AND 3

B	ADD NOTE TO OPEN AN3 HOLES TO AN4	CP	09.11.10
A	NEW ISSUE, NCR 09-068	CP	09.06.30
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>qp</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED	<i>qp</i>	DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9469	SHEET 1 OF 5
APPROVED		TITLE	SCALE
DE APPR.		AFT-FACING SEAT UPDATE	NTS
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The parts list in section 25.28 (pg. 93) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 40) of IIN-D412-702 Rev. E is amended as follows:

QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	PART NUMBER	DESCRIPTION
X					D412-702-041B	Dart 13-Man 3-Point Shoulder Harness Kit
		X			D412-702-045B	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit

IS:

1	1		D412-702-111B	HARNESS ASSEMBLY (EXISTING)
1	1		D412-702-121B	HARNESS ASSEMBLY (NEW)
1*	1*		D3570-3	BRACKET
1*	1*		D3579-047	SHOULDER HARNESS
4*	4*		MS24694S50	SCREW
4*	4*		AN960JD10L	WASHER
1*	1*		MS21042L3	NUT
1*	1*		D3569-3	DECAL
1	1		D412-702-113B	HARNESS ASSEMBLY (EXISTING)
1	1		D412-702-123B	HARNESS ASSEMBLY (NEW)
1*	1*		D3570-4	BRACKET
1*	1*		D3579-048	SHOULDER HARNESS
4*	4*		MS24694S50	SCREW
4*	4*		AN960JD10L	WASHER
1*	1*		MS21042L3	NUT
1*	1*		D3569-3	DECAL
4	4		AN4-27A	BOLT (ADD)

WAS:

2	2		D412-702-111B	HARNESS ASSEMBLY
2	2		D412-702-113B	HARNESS ASSEMBLY

* DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

54295

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01
APPROVED
BY: <u>D. SHEPHERD (DE # 02)</u>
DATE: <u>09.12.10</u>
CERT. NO.: <u>SH04-7</u>
ISSUE NO.: <u>3</u>

DESIGN	<i>qp</i>	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>qp</i>	DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9469	SHEET 2 OF 5
APPROVED		TITLE	SCALE
DE APPR.		AFT-FACING SEAT UPDATE	
DATE	09.12.10	NTS	

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Figures 4.8 (pg. 25) of IIN-D412-702 Rev. E and 25.12 (pg. 69) of ICA-D412-702 Rev. 3 are updated as follows:

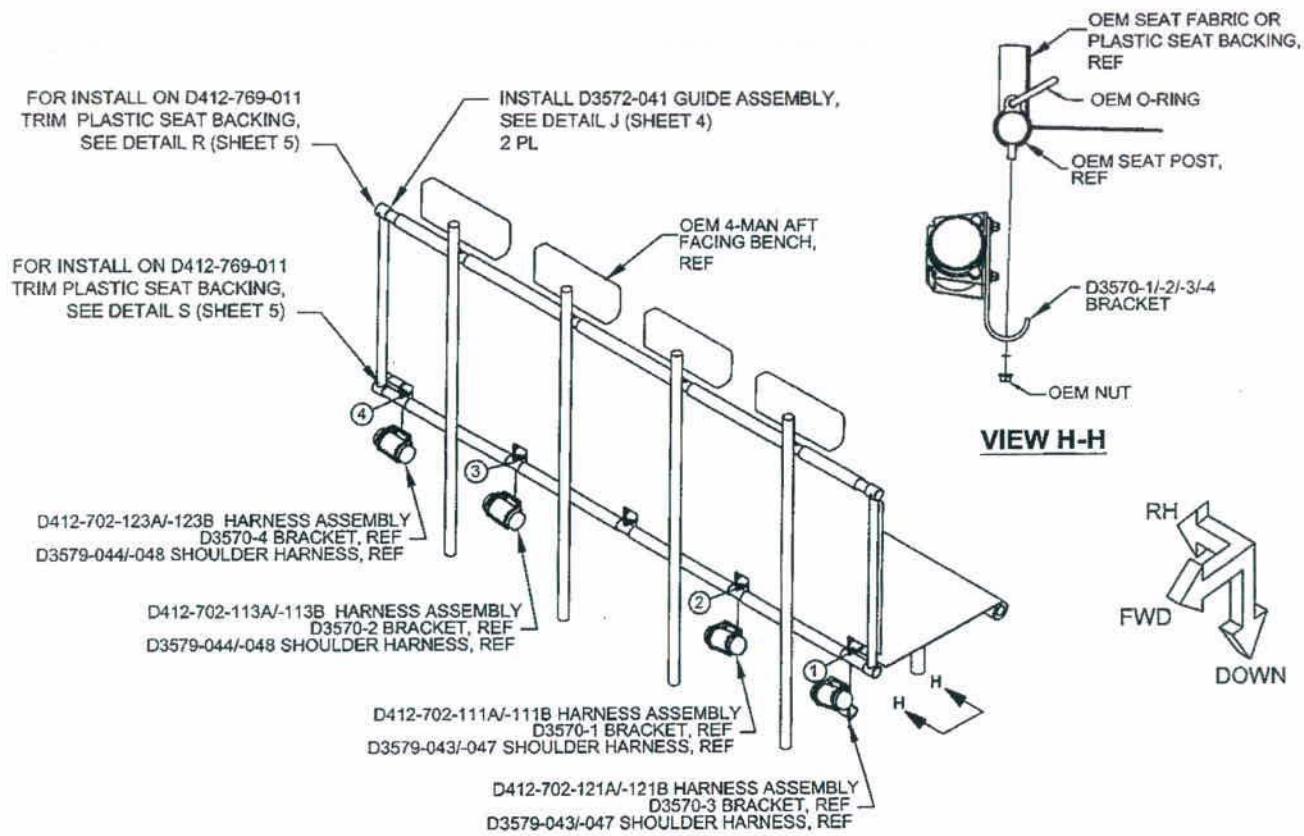
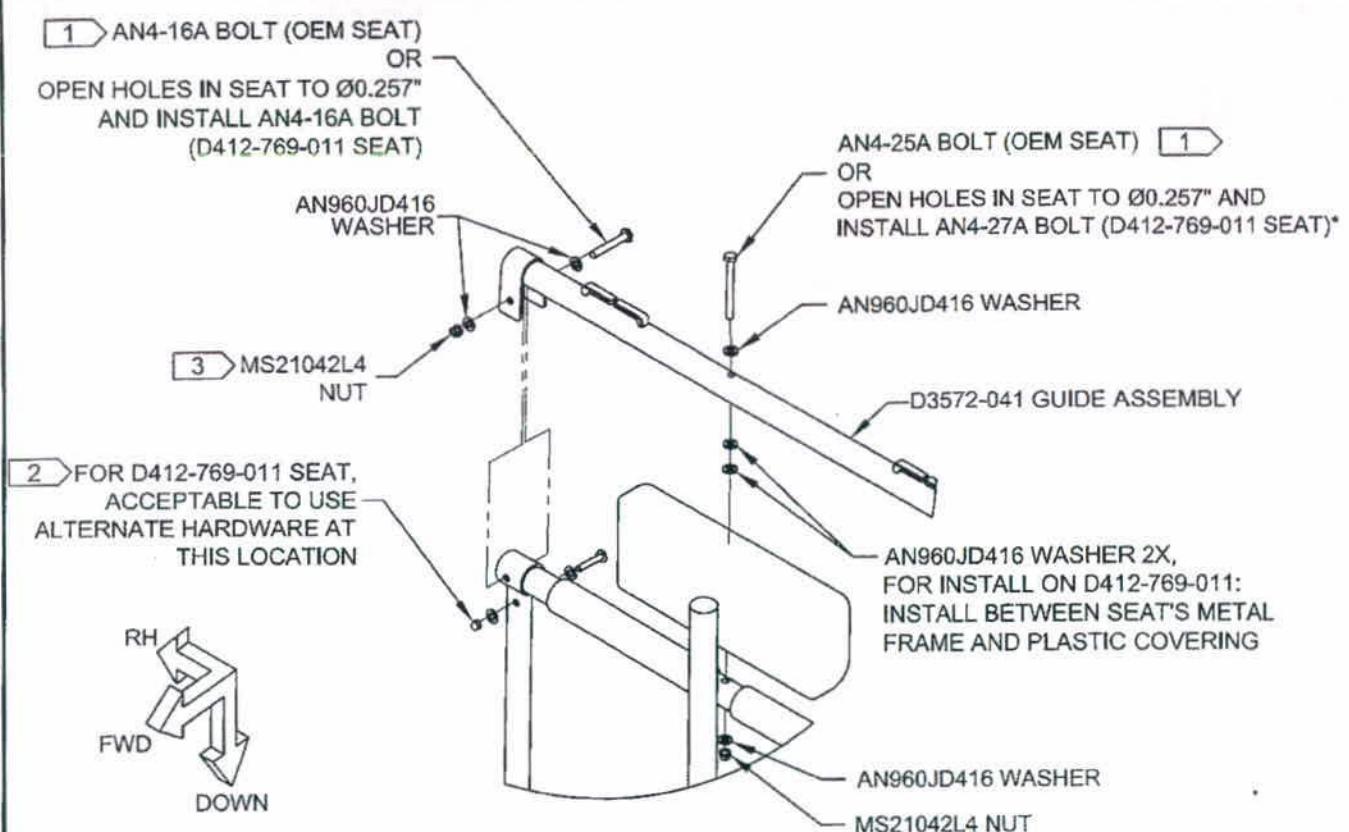


FIGURE 4.8. SHOULDER BELT INSTALLATION
FIGURE 25.12 D412-702-045A/045B 4-MAN 3-POINT AFT FACING SHOULDER HARNESS KIT

2020/09/09

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	D. SHEPHERD (DE # 02)
DATE:	09.12.10
CERT. NO.:	SH04-7
ISSUE NO.:	3

DESIGN	QP	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	QP	DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9469	SHEET 3 OF 5
APPROVED		TITLE	SCALE
DE APPR.		AFT-FACING SEAT UPDATE	NTS
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DETAIL J: D3572-041 INSTALLATION
(RH SHOWN, LH OPPOSITE)

1 ACCEPTABLE TO USE LONGER/SHORTER AN4 BOLTS, ADD ADDITIONAL AN960JD416 WASHERS, OR SUBSTITUTE AN960JD416L WASHERS TO ENSURE 1.5-2 THREADS IN SAFETY

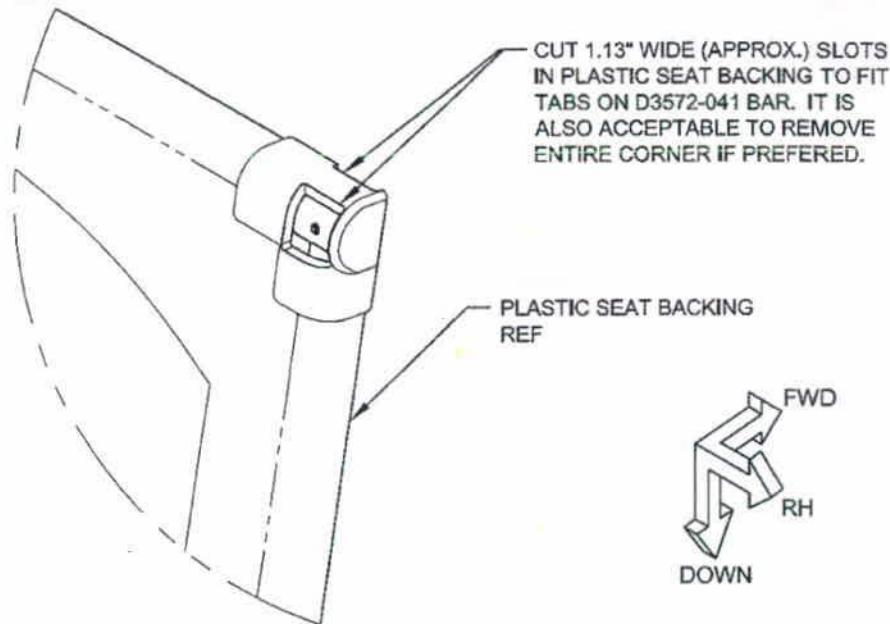
Additional AN960JD416/10L WASHERS ON THE NUT SIDE }
2 ACCEPTABLE TO USE MS51865-6C AS ALTERNATE NUT. IF ALT NUT IS USED, ADD ONE AN960JD416 WASHER (HEAD BOLT SIDE) TO ENSURE PROTRUDING THREADS MEASURE 0.16 MIN, 0.19 MAX. (BEFORE NUT INSTALLATION)

Additional AN960JD416/416L WASHERS ON THE NUT SIDE }
3 ACCEPTABLE TO USE MS51865-8C AS ALTERNATE NUT. IF ALT NUT IS USED, ADD ONE AN960JD416 WASHER (HEAD BOLT SIDE) TO ENSURE PROTRUDING THREADS MEASURE 0.20 MIN, 0.25 MAX. (BEFORE NUT INSTALLATION)
ADD ONE (1) ADDITIONAL AN960JD416L WASHER IF REQUIRED.

56295

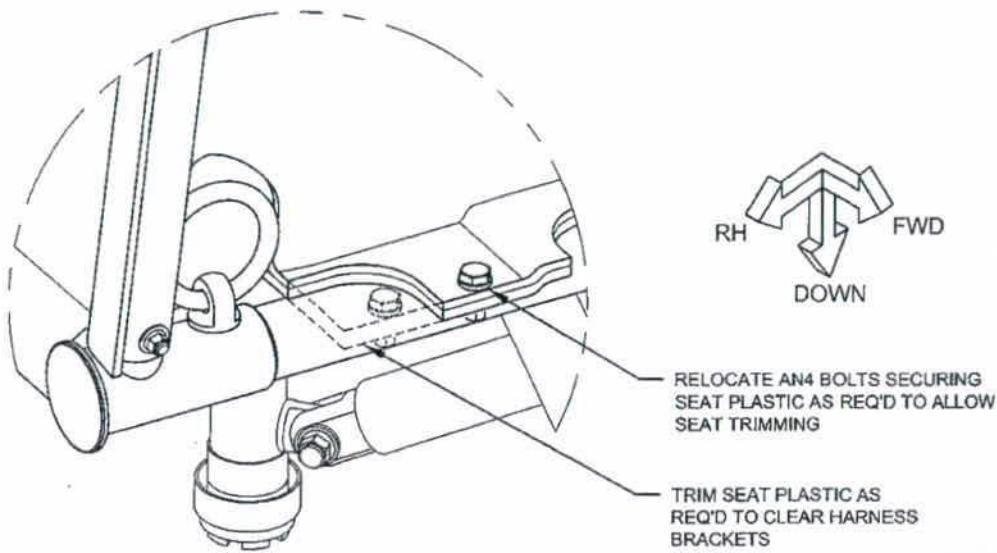
CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-0-01	
APPROVED	
BY:	D. SHEPHERD (DE # 02)
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MFG. APPR.	N/A	DSI 9469	SHEET 4 OF 5
APPROVED		TITLE	SCALE
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DETAIL R

VIEW LOOKING AT FRONT OF SEAT BACKING, TOP-RH CORNER SHOWN (TOP-LH CORNER SIMILAR),
FOR INSTALL ON D412-769-011 ONLY



DETAIL S

VIEW LOOKING AT REAR OF SEAT, BOTTOM-RH CORNER SHOWN (BOTTOM-LH CORNER SIMILAR),
FOR INSTALL ON D412-769-011 ONLY

SB205

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO #01-O-01	
APPROVED	
BY:	D. SHEPHERD (DE # 02)
DATE:	09.12.10
CERT. NO.:	SH04-7
ISSUE NO.:	3

DESIGN	qp	DART AEROSPACE LTD			
DRAWN		HAWKESBURY, ONTARIO, CANADA			
CHECKED	qp	DRAWING NO.	REV. B		
MFG. APPR.	N/A	DSI 9469	SHEET 5 OF 5		
APPROVED		TITLE			
DE APPR.		AFT-FACING SEAT UPDATE			
DATE	09.12.10	SCALE			
		NTS			
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